2314-263 PTS:clw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
Craig WALKER et al.)
Serial No.) Examiner:
Filed:) Group Art Unit:
For: TAU-CONOTOXIN PEPTIDES)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants submit herewith Form PTO-1449 listing publications that the Office may wish to consider in examination of the subject application.

Pursuant to 1.98(d), copies of the references are not included because they were previously submitted to the Office in prior application Serial No. 09/497,491, filed February 4, 2000.

Respectfully submitted,

July 16, 2003

Patrick T. Skacel

Attorney for Applicants

Registration No. 47,948

ROTHWELL, FIGG, ERNST & MANBECK, p.c.

Suite 800, 1425 K Street, N.W.

Washington, D.C. 20005

Telephone: (202)783-6040

					Complete if Known						
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number								
			Filing Date					' - '			
STATEMENT OF APPLICANT				First Named Inventor			Craig WALKER et al.				
					Group Art Unit						·
<u> </u>						nine	· Name				
Sheet		1	of	3	Attor	ney	Docket Number	2314-263			
U.S. PATENT DOCUMENTS											
Examiner Initials*	Cite No.1				Name of Pate			entee or Applicant d Document		Date of Publicatior of Cited Document MM-DD-YYYY	t
		607793	4				Jacobsen et al.			06-20-2000	
		599029	5990295				Shon et al.			11-23-1999	
		5969096					Shon et al.			10-19-1999	
		5889147					Cruz et al.			03-30-1999	
		573927				Shon et al.			04-14-1998		
		571926			Shon et al.				02-17-1998		
		567268			Terlau et al.				09-30-1997		
		567062			Shon et al.				09-23-1997		
		5591821					Olivera et al.		01-07-1997		
		551477	' 4				Olivera et al.			05-07-1996	
					PATI	ENT	DOCUMENTS				
Examiner		Office ³				(ind ⁵				Date of Publication of Cited Document MM-DD-YYYY T ⁶	
		Ü		•							
Examiner Signature	nitial if :	forese = :			_1A_AY_	1- 1-	oonformansa with MPI	Date Considered		·	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

T						Complete if Known						
					Application Number				-	-		
INFORMATION DISCLOSURE				Filing Date								
STATEMENT BY APPLICANT					First i	Nam	ed Inventor	Craig WALKER et al.				
					Group	Art	Unit					
					Exam	iner	Name					
Sheet		2	of	3	Attorr	ney C	Oocket Number	2314-263				
U.S. PATENT DOCUMENTS												
	·	,	ent Documer									
Examiner Initials*	Cite No. ¹		Number	r Kin	Name of Patentee or Application of Cited Document (if known)			nt	Date of Publication of Cited Document MM-DD-YYYY			
·		5432155				7	Olivera et al.			07-11-1995		
		5231011				1	Hillyard et al.			07-27-1993		
		4447356					Olivera et al.			05-08-1984		
		<u> </u>							·			
				FOF	REIGN	PAT	ENT DOCUMEN	TS	.			
		İ	Foreign F	Patent Docu	ment				l Di	ate of Publication of	,	
Examiner Initials*	Cite No. ¹	Office ³ Number ⁴ Code			Kind ⁵		Name of Patentee of Applicant of			Cited Document MM-DD-YYYY		
						L						
Examiner Signature								Date Considered				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

		Complete if Known							
		Application Number							
INFORMATION DISCLOSURE			Filing Date						
IVIEIN I	DI/	APPLIC	AIVI	First Named Inventor	First Named Inventor Craig WALKER et al.				
				Group Art Unit					
				Examiner Name					
3		of	3	Attorney Docket Number	2314-263				
			NON PA	FENT LITERATURE DOCUM	MENTS		_		
Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published							
	OLIV	OLIVERA, B.M. et al., Diversity of <i>Conus</i> Neuropeptides, 1990, <u>Science</u> , 249:257-263.							
	modi	RIGBY, A.C. et al., A conotoxin from <i>Conus textile</i> with unusual posttranslational modifications reduces presynaptic Ca ²⁺ influx, 1999, <u>Proc. Nat. Acad. Sci. USA</u> , 96:5758-5763.							
		WALKER, C.S. et al., The T-superfamily Conotoxins, 1999, <u>J. Biol. Chem.</u> , 274(43):30664-30671.							
		SAVARIN P. et al., Three-Dimensional Structure of k-Conotoxin PVIIA, a Novel Potassium Channel-Blocking Toxin from Cone Snails, 1998, <u>Biochemistry</u> , 37:5407-5416.							
		NORTON, R. et al., The Cystine Knot Structure of Ion Channel Toxins and Related Polypeptides, 1998, <u>Toxicon</u> , 36(11):1573-1583.							
		GRAY, W.R. et al., Peptide Toxins from Conus Geographus Venom, 1981, <u>The Journal of Biological Chemistry</u> , 256(10):4734-4740.							
					**				
		ų. ··			····				
		. <u> </u>	<u> </u>						
-:A:-1:16	· · · · · · · · · · · · · · · · · · ·				Date Considered				
	Gite No.1	Gite No.1 Anim Ham MYE 1993 OLIV 230: OLIV ANIM Ham MYE 1993 OLIV 230: OLIV ANIM ANIM HAM MYE 1993 OLIV 230: OLIV ANIM ANIM HAM MYE 1993 OLIV 230: OLIV ANIM ANIM ANIM ANIM ANIM ANIM ANIM ANIM	3 of Cite No.1 Include na item (book, Animal Venom Hamburg-Blar MYERS, R.A. 1993, Chem. I OLIVERA, B.M. 230:1338-134 OLIVERA, B.M. 30:1338-134 OLIVERA, B.M. RIGBY, A.C. 6 modifications 5763. WALKER, C.S. 30671. SAVARIN P. 6 Channel-Block NORTON, R. Polypeptides, GRAY, W.R. 6 Biological Che	MENT BY APPLICANT NON PATEUR Include name of the autitem (book, magazine, jour Memburg-Blankenese, Gramburg-Blankenese, Gramburg-Blank	MATION DISCLOSURE MENT BY APPLICANT Filing Date First Named Inventor Group Art Unit Examiner Name 3 of 3 Attorney Docket Number NON PATENT LITERATURE DOCUI Cite No.1 Include name of the author (in CAPITAL LETTERS), title o item (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher of the mention of the author (in CAPITAL LETTERS), title o item (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher of the mention of the author (in CAPITAL LETTERS), title o item (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, serial, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, symposium, catalog, e publisher, city and/or country widher (book, magazine, journal, symposium, catalog, e publisher, city and/or country widher (book, magazin	Application Number Filing Date First Named Inventor Craig WALK Group Art Unit Examiner Name 3 of 3 Attorney Docket Number 2314-263 NON PATENT LITERATURE DOCUMENTS Cite No. 1 Include name of the author (in CAPITAL LETTERS), title of the article (when item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) publisher, city and/or country where publisher and where publisher are considered to the article (when item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) publisher, city and/or country where publisher and part of country of the part of the article (when the part of the article (when the part of the article (when item (book, magazine, journal, serial, symposium, catalog, etc.), date, page (s) where publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, country and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, city and part of the article (when the publisher, c	Application Number Filing Date First Named Inventor Group Art Unit Examiner Name 3 of 3 Attorney Docket Number 2314-263 NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the lem (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published Animal Venoms: From Neurotoxins to Clotting Factors, 20th Blankenese Conference, Hamburg-Blankenese, Germany, May 10-14, 2000. MYERS, R.A. et al., Corrus Peptides as Chemical Probes for Receptors and Ion Channels, 1993, Chem. Rev., 93:1923-1936. OLIVERA, B.M. et al., Peptide Neurotoxins from Fish-Hunting Cone Snails, 1985, Science, 230:1338-1343. OLIVERA, B.M. et al., Diversity of Conus Neuropeptides, 1990, Science, 249:257-263. RIGBY, A.C. et al., A conotoxin from Conus textille with unusual posttranslational modifications reduces presynaptic Ca ²⁺ influx, 1999, Proc. Nat. Acad. Sci. USA, 96:5758-5763. WALKER, C.S. et al., The T-superfamily Conotoxins, 1999, J. Biol. Chem., 274(43):30664-30671. SAVARIN P, et al., Three-Dimensional Structure of Ion Channel Toxins and Related Polypeptides, 1998, Toxicon, 36(11):1573-1583. GRAY, W.R. et al., The Cystine Knot Structure of Ion Channel Toxins and Related Polypeptides, 1998, Toxicon, 36(11):1573-1583. GRAY, W.R. et al., The Cystine Knot Structure of Ion Channel Toxins and Related Polypeptides, 1998, Toxicon, 36(11):1573-1583. GRAY, W.R. et al., The Spitide Toxins from Conus Geographus Venom, 1981, The Journal of Biological Chemistry, 256(10):4734-4740.		



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.